

DOCKET NO: 293709US0PCT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :  
AKIHIKO FUJII, ET AL. : EXAMINER: KING, FELICIA C.  
SERIAL NO: 10/586,609 :  
FILED: JULY 19, 2006 : GROUP ART UNIT: 1794  
FOR: COFFEE DRINK COMPOSITION :

DECLARATION UNDER 37 C.F.R. §1.132

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Now comes Mr. Hideo Ohminami who deposes and declares that:

1. I am a graduate of Kyoto Pharmaceutical University and received my master's degree in the year 2001.
2. I have been employed by the Kao Corporation for the past 7 years, as a researcher in the field of organic chemistry.
4. I am a named inventor of the above-identified application.
5. The following experiments were conducted by me or under my direct supervision and control.

40 g of ground coffee beans (medium roasted) were subjected to drip extraction with hot water. The extract was further passed through an adsorbent of activated carbon (corn husk 1-5 Å). The HHQ and chlorogenic acid contents were determined by HPLC as follows:

	A	B	C
Coffee beans	Moca (medium roasted coffee ) 40 g		
Volume of water and temperature	550 mL, 95°C		
Extraction time	3 min		
Activated carbon Shirasagi WH2c 42/60	0 g	5 g	10 g
Content of HHQ	0.001063%	0.000948 %	0.000844%
Content of chlorogenic acid	0.12480%	0.12500%	0.12550%
Ratio of HHQ/chlorogenic acid	0.85%	0.76%	0.67%
Amount of extracted coffee	470.0 mL	460.0 mL	455.0 mL

I declare under penalty of perjury under the laws of the United States of America  
that the foregoing is believed to be true and correct. 28 USC 1746(1)

Hideo Ohminami  
Hideo Ohminami

Sep. 11. 2009.  
Date